

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yoshinori OHMURO et al.

Serial No.: 10/598,397

Filed: September 22, 2006

Title: DOPPLER TYPE ULTRASONIC  
FLOW METER

Group Art Unit: 3737

Examiner: CASLER, Brian L.

Attorney Docket No.: FUJI:389

Confirmation No.: 3698

**VIA EFS-WEB**

COMMISSIONER FOR PATENTS  
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ALEXANDRIA, VA 22313-1450

**REQUEST FOR REPUBLICATION UNDER 37 CFR 1.221(a)**  
**WITH FEE TRANSMITTAL**

Sir:

Pursuant to 37 CFR 1.221(a), applicants hereby request republication of U.S. Patent Publication 2008/0139939 A1 published on June 12, 2008. The above-referenced publication was published with the incorrect filing date. Republication is requested in order to correct the Patent Office error in the filing date. As the time period for filing a request for correction of a material mistake under 37 CFR 1.221(b) has expired, this request is being filed under 1.221(a) with the required publication fee set forth in 37 CFR 1.18(d) in the amount of \$300.00 and the processing fee set forth in 37 CFR 1.17(i) in the amount of \$130.00. The required fees are addressed in the EFS-WEB generated fee transmittal. The Commissioner, however, is authorized to charge any unaccounted fee(s), required to maintain pendency of this application to Deposit Account No. 18-2056.

REMARKS

The above-referenced application was filed August 25, 2006 as a 371 of International Application No. PCT/JP2005/003007 filed February 24, 2005. The Basic National Fee was paid at this time. The declaration was filed (with the Examination Fee, Search Fee and surcharge for late filing of the declaration) on September 22, 2006 as evidenced by USPTO Acknowledgment Receipt no. 1216039. The electronic acknowledgment receipt indicates the correct receipt date of September 22, 2006. The Notice of Acceptance of Application Under 35 U.S.C. 371 and 37 CFR 1.495, however, shows an incorrect date of receipt of the 35 U.S.C 371 requirements, which is indicated to be September 22, 2007. The Filing Receipt dated March 7, 2008 also wrongly indicates the filing date as September 22, 2007.

Applicants' representative filed a Request for Corrected Filing Receipt on March 17, 2008 and requested correction of the Publication Review in PAIR on March 25, 2008. A corrected Filing Receipt and Notice of Acceptance were mailed June 3, 2008, and a Decision on Petition Under 37 CFR 1.181 was mailed June 5, 2008, however, the filing date was not corrected in the publication.

Applicants hereby request republication to correct the filing date to September 22, 2006. Enclosed are the required fees and a complete copy of the application, including the specification, a preliminary amendment and drawings, in compliance with the EFS requirements. Also enclosed, for the convenience of the Office, is a marked copy of the first page of the publication, showing the error to be corrected.

Respectfully submitted,

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09-26-2008



US 20080139939A1

(19) **United States**(12) **Patent Application Publication**  
**Ohmura et al.**(10) **Pub. No.: US 2008/0139939 A1**(43) **Pub. Date: Jun. 12, 2008**(54) **DOPPLER TYPE ULTRASONIC FLOW METER**(30) **Foreign Application Priority Data**

Feb. 27, 2004 (JP) ..... 2004-052717

(75) **Inventors:** **Yoshinori Ohmura**, Hamura-shi (JP); **Toshihiro Yamamoto**, Imura-shi (JP); **Hironobu Yao**, Hino-shi (JP)**Publication Classification**(51) **Int. Cl.**  
**A61B 8/00** (2006.01)(52) **U.S. Cl.** ..... **600/453**(57) **ABSTRACT**

In a doppler type ultrasonic flow meter 1 for measuring the volumetric flow of a measurement object fluid 10 using doppler shift of ultrasound, 1 pair of ultrasonic transducers 3a, 3b perform transmission of ultrasound and reception of an ultrasound echo resulting from the ultrasound being reflected. The 1 pair of ultrasonic transducers 3a, 3b are disposed on an extension line of a measurement line ML for performing measurement of doppler shift, symmetrical about the center axis 5 of a pipe 2 with a measurement object fluid 10 flowing through its inside, and on the outside of the pipe 2. A flow profile for the side opposite, with respect to the center axis 5 of the pipe 2, the side on which the respective ultrasonic transducer 3a, 3b is disposed is used for the calculation of the volumetric flow of the measurement object fluid 10.

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**ASHBURN, VA 20146-0826**(73) **Assignee:** **FUJI ELECTRIC SYSTEMS CO., LTD.**, Shinagawa-ku, Tokyo (JP)(21) **Appl. No.:** **10/598,397**(22) **PCT Filed:** **Feb. 24, 2005**(86) **PCT No.:** **PCT/JP05/03007**§ 371 (c)(1),  
(2), (4) Date:**Sep. 22, 2007** **2006**